

FFFFFFFFF	000000	RRRRRRRR	DDDDDDDD	EEEEEEEEEE	LL	EEEEEEEEEE	TTTTTTTTTT	EEEEEEEEEE	
FFFFFFFFF	000000	RRRRRRRR	DDDDDDDD	EEEEEEEEEE	LL	EEEEEEEEEE	TTTTTTTTTT	EEEEEEEEEE	
FF	00	RR	DD	EE	LL	EE	TT	EE	
FF	00	RR	DD	EE	LL	EE	TT	EE	
FF	00	RR	DD	EE	LL	EE	TT	EE	
FF	00	RR	DD	EE	LL	EE	TT	EE	
FFFFFFFFF	00	RRRRRRRR	DD	EEEEEEEEEE	LL	EEEEEEEEEE	TT	EEEEEEEEEE	
FFFFFFFFF	00	RRRRRRRR	DD	EEEEEEEEEE	LL	EEEEEEEEEE	TT	EEEEEEEEEE	
FF	00	RR	DD	EE	LL	EE	TT	EE	
FF	00	RR	DD	EE	LL	EE	TT	EE	
FF	00	RR	DD	EE	LL	EE	TT	EE	
FF	00	RR	DD	EE	LL	EE	TT	EE	
FF	00	RR	DD	EE	LL	EE	TT	EE	
FF	000000	RR	DDDDDDDD	EEEEEEEEEE	LLLLLLLLLL	EEEEEEEEEE	TT	EEEEEEEEEE
FF	000000	RR	DDDDDDDD	EEEEEEEEEE	LLLLLLLLLL	EEEEEEEEEE	TT	EEEEEEEEEE

LL	IIIIII	SSSSSSSS	
LL	IIIIII	SSSSSSSS	
LL	II	SS	
LL	II	SS	
LL	II	SS	
LL	II	SS	
LL	II	SSSSSS	
LL	II	SSSSSS	
LL	II		SS
LL	II		SS
LL	II		SS
LL	II		SS
LLLLLLLLLL	IIIIII	SSSSSSSS	
LLLLLLLLLL	IIIIII	SSSSSSSS	


```
1 0001 0 MODULE FOR$DELETE ( ! DELETE statement processor
2 0002 0 IDENT = '1-002' ! Edit: SBL1002
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 !
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1 !
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: FORTRAN Language Support Library
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 Contains routines to implement FORTRAN DELETE for relative
37 0037 1 and indexed organization files.
38 0038 1
39 0039 1 ENVIRONMENT: User mode, AST reentrant
40 0040 1
41 0041 1 AUTHOR: Steven B. Lionel, CREATION DATE: 14-May-1979
42 0042 1
43 0043 1 EDIT HISTORY:
44 0044 1
45 0045 1 1-001 - Original. SBL 14-May-1979
46 0046 1 1-002 - Move ACTUALCOUNT declaration inside routine. SBL 15-June-1982
47 0047 1 --
```



```

49      0048 1 |
50      0049 1 | SWITCHES:
51      0050 1 |
52      0051 1 |
53      0052 1 | SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
54      0053 1 |
55      0054 1 |
56      0055 1 | LINKAGES:
57      0056 1 |
58      0057 1 |
59      0058 1 | REQUIRE 'RTLIN:OTSLNK';           ! Define all linkages
60      0487 1 |
61      0488 1 |
62      0489 1 | TABLE OF CONTENTS:
63      0490 1 |
64      0491 1 |
65      0492 1 | FORWARD ROUTINE
66      0493 1 |     FOR$DELETE : CALL CCB,           ! Sequential access delete entry
67      0494 1 |     FOR$DELETE_D : CALL_CCB;        ! Direct access delete entry
68      0495 1 |
69      0496 1 |
70      0497 1 | INCLUDE FILES:
71      0498 1 |
72      0499 1 |
73      0500 1 | LIBRARY 'RTLSTARLE';           ! STARLET library for macros and symbols
74      0501 1 | REQUIRE 'RTLML:FORERR';        ! FORTRAN error numbers
75      0569 1 | REQUIRE 'RTLML:OTSLUB';        ! Logical Unit Block Definitions
76      0709 1 | REQUIRE 'RTLML:OTSISB';        ! Inter-statement Block Definitions
77      0877 1 | REQUIRE 'RTLIN:RTLPSECT';      ! P-SECT declaration macros
78      0972 1 | REQUIRE 'RTLML:FORPAR';        ! Inter-module parameters
79      0995 1 |
80      0996 1 |
81      0997 1 | MACROS:
82      0998 1 |
83      0999 1 |
84      1000 1 |
85      1001 1 | EQUATED SYMBOLS:
86      1002 1 |
87      1003 1 |
88      1004 1 |
89      1005 1 | PSECT DEFINITIONS:
90      1006 1 |
91      1007 1 |
92      1008 1 | DECLARE_PSECTS (FOR);
93      1009 1 |
94      1010 1 |
95      1011 1 | OWN STORAGE:
96      1012 1 |
97      1013 1 |
98      1014 1 |
99      1015 1 | EXTERNAL REFERENCES:
100     1016 1 |
101     1017 1 |
102     1018 1 | EXTERNAL ROUTINE
103     1019 1 |     FOR$$IOSTAT_HND,           ! IOSTAT error handler
104     1020 1 |     FOR$$SIGNAL_STO : NOVALUE, ! Signal_stop routine
105     1021 1 |     FOR$$SIG_NO_LUB : NOVALUE, ! Signal without LUB
```


FOR\$DELETE
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: 106
: 107

1022 1
1023 1

FOR\$\$CB_PUSH : JSB_CB_PUSH NOVALUE, ! Push a CCB
FOR\$\$CB_POP : JSB_CB_POP NOVALUE; ! Pop a CCB


```
109 1024 1 GLOBAL ROUTINE FOR$DELETE (
110 1025 1     UNIT,                                ! Unit number on which to delete
111 1026 1     ERR_EQL,                            ! 1 if ERR= or IOSTAT= present
112 1027 1     ) :CALL_CCB =
113 1028 1
114 1029 1 ++
115 1030 1 FUNCTIONAL DESCRIPTION:
116 1031 1
117 1032 1 FOR$DELETE deletes the current record of the indexed or relative organization file
118 1033 1 open on unit UNIT.
119 1034 1
120 1035 1 CALLING SEQUENCE:
121 1036 1
122 1037 1     iostat.wl.v = FOR$DELETE (unit.rl.v [, err_eql.rlu.v])
123 1038 1
124 1039 1 FORMAL PARAMETERS:
125 1040 1
126 1041 1     unit                - The unit number on which to delete the record.
127 1042 1                       There must be a "current record" on this unit.
128 1043 1     err_eql            - If absent or zero, all errors are signalled.
129 1044 1                       - If 1, errors return an IOSTAT error code value.
130 1045 1
131 1046 1 IMPLICIT INPUTS:
132 1047 1
133 1048 1     CCB
134 1049 1
135 1050 1 IMPLICIT OUTPUTS:
136 1051 1
137 1052 1     NONE
138 1053 1
139 1054 1 ROUTINE VALUE:
140 1055 1
141 1056 1     An IOSTAT value.
142 1057 1
143 1058 1 SIDE EFFECTS:
144 1059 1
145 1060 1     SIGNAL STOP's:
146 1061 1     FOR$WRITEAFIL - Write to read-only file
147 1062 1     FOR$NO CURREC - No current record
148 1063 1     FOR$DELEERR  - Delete error
149 1064 1
150 1065 1 --
151 1066 1
152 1067 2 BEGIN
153 1068 2
154 1069 2 GLOBAL REGISTER
155 1070 2     CCB = 11: REF BLOCK [, BYTE];
156 1071 2
157 1072 2 LOCAL
158 1073 2     L_UNWIND_ACTION : VOLATILE,
159 1074 2     L_ERR_EQL_PRES : VOLATILE,
160 1075 2     STATUS;
161 1076 2
162 1077 2 BUILTIN
163 1078 2     ACTUALCOUNT;
164 1079 2
165 1080 2 ENABLE
```



```
166 1081 2 FOR$$IOSTAT_HND (L_UNWIND_ACTION, L_ERR_EQL_PRES);
167 1082
168 1083 !+
169 1084 !- Determine if ERR_EQL is present.
170 1085
171 1086
172 1087 IF ACTUALCOUNT () GTR 1
173 1088 THEN
174 1089 L_ERR_EQL_PRES = .ERR_EQL
175 1090 ELSE
176 1091 L_ERR_EQL_PRES = 0;
177 1092
178 1093 !+
179 1094 !- Unwind action is NO-OP (no LUB yet)
180 1095
181 1096
182 1097 L_UNWIND_ACTION= FOR$K_UNWINDNOP;
183 1098
184 1099 !+
185 1100 !- Get a LUB for this unit. On return, CCB points to the
186 1101 current control block.
187 1102
188 1103
189 1104 FOR$$CB_PUSH (.UNIT, LUB$K_LUN_MIN);
190 1105
191 1106 !+
192 1107 !- Unwind action is now to POP the CCB.
193 1108
194 1109
195 1110 L_UNWIND_ACTION = FOR$K_UNWINDPOP;
196 1111
197 1112 !+
198 1113 !- If file is not indexed or relative organization, or is direct access,
199 1114 signal error FOR$_DELERR.
200 1115
201 1116
202 1117 IF NOT .CCB [LUB$V_NOTSEQORG] OR .CCB [LUB$V_DIRECT]
203 1118 THEN
204 1119 FOR$$SIGNAL_STO (FOR$K_DELERR);
205 1120
206 1121 !+
207 1122 !- If file is read-only, signal error FOR$_WRIREADFIL.
208 1123
209 1124
210 1125 IF .CCB [LUB$V_READ_ONLY]
211 1126 THEN
212 1127 FOR$$SIGNAL_STO (FOR$K_WRIREADFIL);
213 1128
214 1129 !+
215 1130 !- Try to delete the current record. If we get an error, signal it.
216 1131
217 1132
218 1133 IF NOT $DELETE (RAB=.CCB)
219 1134 THEN
220 1135 BEGIN
221 1136 WHILE .CCB [RAB$L_STS] EQL RMS$_RSA DO
222 1137 BEGIN
```



```

$WAIT (RAB=.CCB);
$DELETE (RAB=.CCB);
END;
IF NOT .CCB [RAB$L_STS]
THEN
    FOR$$SIGNAL STO (
        SELECTONEU .CCB [RAB$L_STS] OF
        SET
        [RMSS$ CUR, RMSS$ RNL] : FOR$K_NO_CURREC;
        [OTHERWISE] : FOR$K_DELERR;
        TES);
END;

!+
! Return I/O system to previous state
!-

FOR$$CB_POP ();

RETURN 0;          ! Success IOSTAT value
END;
```

.ENTRY	FOR\$DELETE, Save R2,R3,R4,R11	:	1024
MOVAB	SY\$DELETE, R4	:	
MOVAB	FOR\$\$SIGNAL_STO, R3	:	
SUBL2	#4, SP	:	
CLRL	L_ERR_EQL PRES	:	1067
CLRL	L_UNWIND_ACTION	:	
MOVAL	12\$, (FP)	:	
CMPB	(AP), #1	:	1087
BLEQU	1\$:	
MOVL	ERR_EQL, L_ERR_EQL_PRES	:	1089
BRB	2\$:	
CLRL	L_ERR_EQL PRES	:	1091
MOVL	#1, L_UNWIND_ACTION	:	1097
CLRL	R0	:	1104
MOVL	UNIT, R2	:	
JSB	FOR\$\$CB PUSH	:	
CLRL	L_UNWIND_ACTION	:	1110
BBC	#3, -95(CCB), 3\$:	1117
BBC	#4, -4(CCB), 4\$:	
PUSHL	#5\$:	1119
CALLS	#1, FOR\$\$SIGNAL_STO	:	
BBC	#2, -4(CCB), 5\$:	1125
PUSHL	#4\$:	1127

FOR\$DELETE
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63		01	FB	00053	CALLS	#1, FOR\$\$\$SIGNAL_STO	:	
		5B	DD	00056	5\$: PUSHL	CCB	:	1133
64		01	FB	00058	CALLS	#1, SYSS\$DELETE	:	
3D		50	E8	0005B	BLBS	R0, 11\$:	
000182DA	8F	08	AB	D1 0005E	6\$: CMPL	8(CCB), #99034	:	1136
		10	12	00066	BNEQ	7\$:	
		5B	DD	00068	PUSHL	CCB	:	1138
00000000G	00	01	FB	0006A	CALLS	#1, SYSS\$WAIT	:	
		5B	DD	00071	PUSHL	CCB	:	1139
64		01	FB	00073	CALLS	#1, SYSS\$DELETE	:	
		E6	11	00076	BRB	6\$:	1136
1F		08	AB	E8 00078	7\$: BLBS	8(CCB), 11\$:	1141
50		08	AB	D0 0007C	MOVL	8(CCB), R0	:	1144
000181A0	8F		50	D1 00080	CMPL	R0, #98720	:	1146
			09	13 00087	BEQL	8\$:	
000184B4	8F		50	D1 00089	CMPL	R0, #99508	:	
			04	12 00090	BNEQ	9\$:	
			35	DD 00092	8\$: PUSHL	#53	:	
			02	11 00094	BRB	10\$:	
			37	DD 00096	9\$: PUSHL	#55	:	1147
63		01	FB	00098	10\$: CALLS	#1, FOR\$\$\$SIGNAL_STO	:	1144
		00	16	0009B	11\$: JSB	FOR\$\$CB_POP	:	1155
		50	D4	000A1	CLRL	R0	:	1157
			04	000A3	RET		:	1158
			0000	000A4	12\$: .WORD	Save nothing	:	1067
50		08	AC	D0 000A6	MOVL	8(AP), R0	:	
50		04	A0	D0 000AA	MOVL	4(R0), R0	:	
		F8	A0	9F 000AE	PUSHAB	L_ERR EQL PRES	:	
		FC	A0	9F 000B1	PUSHAB	L_UNWIND_ACTION	:	
			02	DD 000B4	PUSHL	#2	:	
			5E	DD 000B6	PUSHL	SP	:	
7E		04	AC	7D 000B8	MOVQ	4(AP), -(SP)	:	
00000000G	00		03	FB 000BC	CALLS	#3, FOR\$\$\$IOSTAT_HND	:	
			04	000C3	RET		:	

; Routine Size: 196 bytes, Routine Base: _FOR\$CODE + 0000


```

245      1159 1 GLOBAL ROUTINE FOR$DELETE_D (
246      1160 1     UNIT,                ! Unit to delete on
247      1161 1     REC_NO,              ! Record number to delete
248      1162 1     ERR_EQL,             ! 1 if ERR= or IOSTAT= specified
249      1163 1     ) : CALL_CCB =
250      1164 1
251      1165 1 ++
252      1166 1 FUNCTIONAL DESCRIPTION:
253      1167 1
254      1168 1 Deletes the specified record on a relative organization file
255      1169 1 opened for direct access.
256      1170 1
257      1171 1 CALLING SEQUENCE:
258      1172 1
259      1173 1     iostat.wl.v = FOR$DELETE_D (unit.rl.v, rec_no.rl.v [, err_eql.r;u.v])
260      1174 1
261      1175 1 FORMAL PARAMETERS:
262      1176 1
263      1177 1     unit                  - Unit number to delete on
264      1178 1     rec_no                 - Record number to delete
265      1179 1     err_eql                - If present and 1, return IOSTAT
266      1180 1                               values for errors.
267      1181 1
268      1182 1 IMPLICIT INPUTS:
269      1183 1
270      1184 1     CCB
271      1185 1     LUB$LOG_RECNO
272      1186 1     LUB$V_FIND_LAST        ! On if FIND was last operation
273      1187 1
274      1188 1 IMPLICIT OUTPUTS:
275      1189 1
276      1190 1     LUB$V_FIND_LAST        ! Cleared
277      1191 1
278      1192 1 ROUTINE VALUE:
279      1193 1
280      1194 1     An IOSTAT value.
281      1195 1
282      1196 1 SIDE EFFECTS:
283      1197 1
284      1198 1     SIGNAL STOPS:
285      1199 1     FOR$_OPEDEFREQ - Open or define file required for direct or keyed access
286      1200 1     FOR$_WRIREFIL - Write to read-only file
287      1201 1     FOR$_RECNUMOUT - Record number out of range
288      1202 1     FOR$_ATTACCNON - Attempt to access non-existent record
289      1203 1     FOR$_SPERECLOC - Specified record locked
290      1204 1     FOR$_DELERR    - Delete error
291      1205 1
292      1206 1 --
293      1207 1
294      1208 2 BEGIN
295      1209 2
296      1210 2 GLOBAL REGISTER
297      1211 2     CCB = 11: REF BLOCK [, BYTE];
298      1212 2
299      1213 2 LOCAL
300      1214 2     L_UNWIND_ACTION : VOLATILE,
301      1215 2     L_ERR_EQL_PRES : VOLATILE;
```



```

302      1216 2
303      1217 2
304      1218 2
305      1219 2
306      1220 2
307      1221 2
308      1222 2
309      1223 2
310      1224 2
311      1225 2
312      1226 2
313      1227 2
314      1228 2
315      1229 2
316      1230 2
317      1231 2
318      1232 2
319      1233 2
320      1234 2
321      1235 2
322      1236 2
323      1237 2
324      1238 2
325      1239 2
326      1240 2
327      1241 2
328      1242 2
329      1243 2
330      1244 2
331      1245 2
332      1246 2
333      1247 2
334      1248 2
335      1249 2
336      1250 2
337      1251 2
338      1252 2
339      1253 2
340      1254 2
341      1255 2
342      1256 2
343      1257 2
344      1258 2
345      1259 2
346      1260 2
347      1261 2
348      1262 2
349      1263 2
350      1264 2
351      1265 2
352      1266 2
353      1267 2
354      1268 2
355      1269 2
356      1270 2
357      1271 2
358      1272 2

BUILTIN
  ACTUALCOUNT;

ENABLE
  FOR$$IOSTAT_HND (L_UNWIND_ACTION, L_ERR_EQL_PRES);

!+
!- Determine if ERR_EQL is present.
!-

IF ACTUALCOUNT () GTR 2
THEN
  L_ERR_EQL_PRES = .ERR_EQL
ELSE
  L_ERR_EQL_PRES = 0;

!+
!- Unwind action is NO-CP (no LUB yet)
!-

L_UNWIND_ACTION= FOR$K_UNWINDNOP;

!+
!- Get a LUB for this unit. On return, CCB points to the
!- current control block.

FOR$$CB_PUSH (.UNIT, LUB$K_LUN_MIN);

!+
!- Unwind action is now to POP the CCB.
!-

L_UNWIND_ACTION = FOR$K_UNWINDPOP;

!+
!- If file is not relative organization, signal error FOR$_DELERR.
!-

IF .CCB [LUB$B_ORGAN] NEQU LUB$K_ORG_RELAT
THEN
  FOR$$SIGNAL_STO (FOR$K_DELERR);

!+
!- If file is read-only, signal error FOR$_WRIREADFIL.
!-

IF .CCB [LUB$V_READ_ONLY]
THEN
  FOR$$SIGNAL_STO (FOR$K_WRIREADFIL);

!+
!- If file is not direct access, signal error FOR$_OPEDEFREQ.
!-

IF NOT .CCB [LUB$V_DIRECT]
```



```

359      1273 2 THEN
360      1274 2   FOR$$$SIGNAL_STO (FOR$K_OPEDEFREQ);
361      1275 2
362      1276 2
363      1277 2
364      1278 2
365      1279 2
366      1280 3
367      1281 2
368      1282 2
369      1283 2
370      1284 2
371      1285 2
372      1286 2
373      1287 2
374      1288 2
375      1289 2
376      1290 2
377      1291 2
378      1292 2
379      1293 2
380      1294 2
381      1295 3
382      1296 3
383      1297 3
384      1298 3
385      1299 3
386      1300 2
387      1301 3
388      1302 3
389      1303 3
390      1304 3
391      1305 3
392      1306 3
393      1307 3
394      1308 3
395      1309 4
396      1310 3
397      1311 3
398      1312 4
399      1313 4
400      1314 4
401      1315 3
402      1316 3
403      1317 3
404      1318 3
405      1319 3
406      1320 3
407      1321 3
408      1322 3
409      1323 4
410      1324 4
411      1325 4
412      1326 3
413      1327 2
414      1328 2
415      1329 2

      THEN
      FOR$$$SIGNAL_STO (FOR$K_OPEDEFREQ);

      !+
      !- If the record number passed is illegal, signal FOR$_RECNUMOUT.
      !-

      IF .REC_NO LEQ 0 OR (.CCB [LUB$L_REC_MAX] NEQ 0 AND .REC_NO GTRU .CCB [LUB$L_REC_MAX])
      THEN
      FOR$$$SIGNAL_STO (FOR$K_RECNUMOUT);

      !+
      !- See if the requested record to be deleted may already be locked.
      !- If it is, we want to avoid doing a $FIND which would unlock the
      !- record. To check, we compare REC_NO against (LUB$L_LOG_RECNO - 1)
      !- (or LUB$L_LOG_RECNO if LUB$V_FIND_LAST is set). If they are equal,
      !- the last operation we did may have locked this record. If it didn't,
      !- then we don't have a record locked. Trying to delete the record
      !- will show if it's locked or not. If not, we do a $FIND anyway.
      !-

      IF .REC_NO EQL
      ( IF .CCB [LUB$V_FIND_LAST]
      THEN
      .CCB [LUB$L_LOG_RECNO]
      ELSE
      .CCB [LUB$L_LOG_RECNO] - 1)
      THEN
      BEGIN
      CCB [LUB$V_FIND_LAST] = 0;          ! Turn off bit

      !+
      !- We may have it locked. Try to delete it.
      !-

      IF NOT $DELETE (RAB=.CCB)
      THEN
      WHILE .CCB [RAB$L_STS] EQL RMSS$_RSA DO
      BEGIN
      $WAIT (RAB=.CCB);
      $DELETE (RAB=.CCB);
      END;

      !+
      !- If we succeeded, return.
      !-

      IF .CCB [RAB$L_STS]
      THEN
      BEGIN
      FOR$$$CB_POP ();      ! Return I/O to previous state
      RETURN 0;             ! Success IOSTAT value
      END;
      END;

      !+

```


FOR\$DELETE
1-002

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```

: 416      1330 2      !- We don't have it locked. Do a $FIND then a $DELETE.
: 417      1331 2      !-
: 418      1332 2
: 419      1333 2      CCB [LUB$V_FIND_LAST] = 0;
: 420      1334 2
: 421      1335 2      CCB [LUB$L_LOG_RECNO] = .REC_NO;
: 422      1336 3      IF NOT $FIND (RAB=.CCB)
: 423      1337 2      THEN
: 424      1338 3          BEGIN
: 425      1339 3              WHILE .CCB[RAB$L_STS] EQL RMSS_RSA DO
: 426      1340 4                  BEGIN
: 427      1341 4                      $WAIT (RAB=.CCB);
: 428      1342 5                      $FIND (RAB=.CCB)
: 429      1343 3                      END;
: 430      1344 3                      IF NOT .CCB [RAB$L_STS] THEN FOR$$$SIGNAL_STO (
: 431      1345 3                          SELECTONEU .CCB [RAB$L_STS] OF
: 432      1346 3                              SET
: 433      1347 3                                  [RMSS_RLK] : FOR$K_SPERECLOC;
: 434      1348 3                                  [RMSS_RNF, RMSS_EOF] : FOR$K_ATTACCNON;
: 435      1349 3                                  [OTHERWISE] : FOR$K_DELERR;
: 436      1350 3                              TES);
: 437      1351 2                          END;
: 438      1352 2
: 439      1353 2      !+ Try to delete the current record. If we get an error, signal it.
: 440      1354 2      !-
: 441      1355 2
: 442      1356 2      IF NOT $DELETE (RAB=.CCB)
: 443      1357 3      THEN
: 444      1358 2          BEGIN
: 445      1359 3              WHILE .CCB [RAB$L_STS] EQL RMSS_RSA DO
: 446      1360 3                  BEGIN
: 447      1361 4                      $WAIT (RAB=.CCB);
: 448      1362 4                      $DELETE (RAB=.CCB);
: 449      1363 4                      END;
: 450      1364 3                  IF NOT .CCB [RAB$L_STS]
: 451      1365 3                      THEN
: 452      1366 3                          FOR$$$SIGNAL_STO (FOR$K_DELERR);
: 453      1367 3                      END;
: 454      1368 2
: 455      1369 2
: 456      1370 2      !+ Return I/O system to previous state
: 457      1371 2      !-
: 458      1372 2
: 459      1373 2      FOR$$$CB_POP ();
: 460      1374 2
: 461      1375 2      RETURN 0;          ! Success IOSTAT value
: 462      1376 2      END;
: 463      1377 1
```

.EXTRN SYSS\$FIND

```

                                087C 00000
56 00000000G 00 9E 00002
55 00000000G 00 9E 00009
54 00000000G 00 9E 00010
```

```

.ENTRY FOR$DELETE D, Save R2,R3,R4,R5,R6,R11
MOVAB SYSS$FIND, R6
MOVAB SYSS$WAIT, R5
MOVAB SYSS$DELETE, R4
```

: 1159
:
:
:

		53	00000000G	00	9E	00017	MOVAB	FOR\$\$SIGNAL_STO, R3	:	
		5E		04	C2	0001E	SUBL2	#4, SP	:	
				7E	D4	00021	CLRL	L_ERR_EQL PRES	:	1208
			04	AE	D4	00023	CLRL	L_UNWIND_ACTION	:	
		6D	0117	CF	DE	00026	MOVAL	23\$, (FP)	:	
		02		6C	91	0002B	CMPB	(AP), #2	:	1227
				06	1B	0002E	BLEQU	1\$:	
		6E	0C	AC	D0	00030	MOVL	ERR_EQL, L_ERR_EQL_PRES	:	1229
				02	11	00034	BRB	2\$:	
				6E	D4	00036	CLRL	L_ERR_EQL PRES	:	1231
	04	AE		01	D0	00038	MOVL	#T, L_UNWIND_ACTION	:	1237
				50	D4	0003C	CLRL	R0	:	1244
	52		04	AC	D0	0003E	MOVL	UNIT, R2	:	
			00000000G	00	16	00042	JSB	FOR\$\$CB_PUSH	:	
			04	AE	D4	00048	CLRL	L_UNWIND_ACTION	:	1250
		02	C4	AB	91	0004B	CMPB	-80(CCB), #2	:	1256
				05	13	0004F	BEQL	3\$:	
				37	DD	00051	PUSHL	#55	:	1258
		63		01	FB	00053	CALLS	#1, FOR\$\$SIGNAL_STO	:	
05	FC	AB		02	E1	00056	BBC	#2, -4(CCB), 4\$:	1264
				2F	DD	0005B	PUSHL	#47	:	1266
		63		01	FB	0005D	CALLS	#1, FOR\$\$SIGNAL_STO	:	
05	FC	AB		04	E0	00060	BBS	#4, -4(CCB), 5\$:	1272
				1A	DD	00065	PUSHL	#26	:	1274
		63		01	FB	00067	CALLS	#1, FOR\$\$SIGNAL_STO	:	
		52	08	AC	D0	0006A	MOVL	REC_NO, R2	:	1280
				0B	15	0006E	BLEQ	6\$:	
			E4	AB	D5	00070	TSTL	-28(CCB)	:	
				0B	13	00073	BEQL	7\$:	
	E4	AB		52	D1	00075	CMPL	R2, -28(CCB)	:	
				05	1B	00079	BLEQU	7\$:	
				19	DD	0007B	PUSHL	#25	:	1282
		63		01	FB	0007D	CALLS	#1, FOR\$\$SIGNAL_STO	:	
06	A0	AB		03	E1	00080	BBC	#3, -96(CCB), 8\$:	1295
		50	E0	AB	D0	00085	MOVL	-32(CCB), R0	:	1297
				05	11	00089	BRB	9\$:	
50	E0	AB		01	C3	0008B	SUBL3	#1, -32(CCB), R0	:	1299
		50		52	D1	00090	CMPL	R2, R0	:	1295
				26	12	00093	BNEQ	12\$:	
	A0	AB		08	8A	00095	BICB2	#8, -96(CCB)	:	1303
				5B	DD	00099	PUSHL	CCB	:	1309
		64		01	FB	0009B	CALLS	#1, SYSS\$DELETE	:	
		16		50	E8	0009E	BLBS	R0, 11\$:	
000182DA		8F	08	AB	D1	000A1	CMPL	8(CCB), #99034	:	1311
				0C	12	000A9	BNEQ	11\$:	
				5B	DD	000AB	PUSHL	CCB	:	1313
		65		01	FB	000AD	CALLS	#1, SYSS\$WAIT	:	
				5B	DD	000B0	PUSHL	CCB	:	1314
		64		01	FB	000B2	CALLS	#1, SYSS\$DELETE	:	
				EA	11	000B5	BRB	10\$:	1311
		7D	08	AB	E8	000B7	BLBS	8(CCB), 22\$:	1321
	A0	AB		08	8A	000BB	BICB2	#8, -96(CCB)	:	1333
	E0	AB		52	D0	000BF	MOVL	R2, -32(CCB)	:	1335
				5B	DD	000C3	PUSHL	CCB	:	1336
		66		01	FB	000C5	CALLS	#1, SYSS\$FIND	:	
		46		50	E8	000C8	BLBS	R0, 19\$:	
000182DA		8F	08	AB	D1	000CB	CMPL	8(CCB), #99034	:	1339

		0C	12	000D3	BNEQ	14\$		
		5B	DD	000D5	PUSHL	CCB		1341
	65	01	FB	000D7	CALLS	#1, SYSS\$WAIT		1342
		5B	DD	000DA	PUSHL	CCB		
	66	01	FB	000DC	CALLS	#1, SYSS\$FIND		
		EA	11	000DF	BRB	13\$		
	2C	08	AB	E8 000E1	BLBS	8(CCB), 19\$		1344
	50	08	AB	D0 000E5	MOVL	8(CCB), R0		1345
000182AA	8F		50	D1 000E9	CMPL	R0, #98986		1347
			04	12 000F0	BNEQ	15\$		
			34	DD 000F2	PUSHL	#52		
			18	11 000F4	BRB	18\$		
0001827A	8F		50	D1 000F6	CMPL	R0, #98938		1348
			09	13 000FD	BEQL	16\$		
000182B2	8F		50	D1 000FF	CMPL	R0, #98994		
			04	12 00106	BNEQ	17\$		
			24	DD 00108	PUSHL	#36		
			02	11 0010A	BRB	18\$		
			37	DD 0010C	PUSHL	#55		1349
	63		01	FB 0010E	CALLS	#1, FOR\$\$\$SIGNAL_STO		1345
			5B	DD 00111	PUSHL	CCB		1357
	64		01	FB 00113	CALLS	#1, SYSS\$DELETE		
	1F		50	E8 00116	BLBS	R0, 22\$		
000182DA	8F	08	AB	D1 00119	CMPL	8(CCB), #99034		1360
			0C	12 00121	BNEQ	21\$		
			5B	DD 00123	PUSHL	CCB		1362
	65		01	FB 00125	CALLS	#1, SYSS\$WAIT		
			5B	DD 00128	PUSHL	CCB		1363
	64		01	FB 0012A	CALLS	#1, SYSS\$DELETE		
			EA	11 0012D	BRB	20\$		1360
	05	08	AB	E8 0012F	BLBS	8(CCB), 22\$		1365
			37	DD 00133	PUSHL	#55		1367
	63		01	FB 00135	CALLS	#1, FOR\$\$\$SIGNAL_STO		
		00000000G	00	16 00138	JSB	FOR\$\$CB_POP		1374
			50	D4 0013E	CLRL	R0		1377
			04	00140	RET			
			0000	00141	.WORD	Save nothing		1208
	50	08	AC	D0 00143	MOVL	8(AP), R0		
	50	04	A0	D0 00147	MOVL	4(R0), R0		
		F8	A0	9F 0014B	PUSHAB	L_ERR_EQL PRES		
		FC	A0	9F 0014E	PUSHAB	L_UNWIND_ACTION		
			02	DD 00151	PUSHL	#2		
			5E	DD 00153	PUSHL	SP		
	7E	04	AC	7D 00155	MOVQ	4(AP), -(SP)		
00000000G	00		03	FB 00159	CALLS	#3, FOR\$\$\$IOSTAT_HND		
			04	00160	RET			

; Routine Size: 353 bytes, Routine Base: _FOR\$CODE + 00C4

FOR\$DELETE
1-002

K 16
16-Sep-1984 00:17:29
14-Sep-1984 12:31:48

VAX-11 Bliss-32 V4.0-742
[FORRTL.SRC]FORDELETE.B32;1

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(5)

: 465 1378 1 END
: 466 1379 0 ELUDOM

!End of module

PSECT SUMMARY

: Name Bytes Attributes
: _FOR\$CODE 549 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

: File Total Symbols Loaded Percent Pages Mapped Processing Time
: _\$255\$DUA28:[SYSLIB]STARLET.L32;1 9776 13 0 581 00:01.1

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:FORDELETE/OBJ=OBJ\$:FORDELETE MSRC\$:FORDELETE/UPDATE=(ENH\$:FORDELETE
:)

: Size: 549 code + 0 data bytes
: Run Time: 00:16.4
: Elapsed Time: 00:55.0
: Lines/CPU Min: 5045
: Lexemes/CPU-Min: 33318
: Memory Used: 185 pages
: Compilation Complete

0179 AH-BT13A-SE
VAX/VMS V4.0

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